

CLAIMS

1. A Ni-Pt alloy superior in workability containing Pt in a content of 0.1 to 20wt% and having a Vickers hardness of 40 to 90, and a target comprising the Ni-Pt alloy.
- 5 2. The Ni-Pt alloy and Ni-Pt alloy target according to claim 1 having a purity of 99.99% or higher.
3. A manufacturing method of Ni-Pt alloy superior in workability comprising a step of subjecting a raw material Ni having a purity of 3N level to electrochemical dissolution, a step of neutralizing the electrolytically leached solution with ammonia, a
- 10 10 step of removing impurities by filtering the neutralized solution with activated carbon, a step of blowing carbon dioxide into the resultant solution to form nickel carbonate and exposing the resultant product to a reducing atmosphere to prepare high purity Ni powder, a step of leaching a raw material Pt having a purity of 3N level with acid, a step of subjecting the leached solution to electrolysis to prepare high purity electrodeposited Pt, and a step of dissolving the resultant high purity Ni powder and high purity electrodeposited Pt.
- 15 15 4. The manufacturing method of Ni-Pt alloy according to claim 3 wherein the Ni-Pt alloy has a purity of 99.99% or higher.
5. The manufacturing method of Ni-Pt alloy superior in workability according to
- 20 20 claim 3 or claim 4, wherein the Ni-Pt alloy has Pt in a content of 0.1 to 20wt% and has a Vickers hardness of 40 to 90.
6. The manufacturing method of a Ni-Pt alloy target, wherein the dissolved Ni-Pt alloy ingot manufactured based on any one of the methods according to claims 3 to 5.